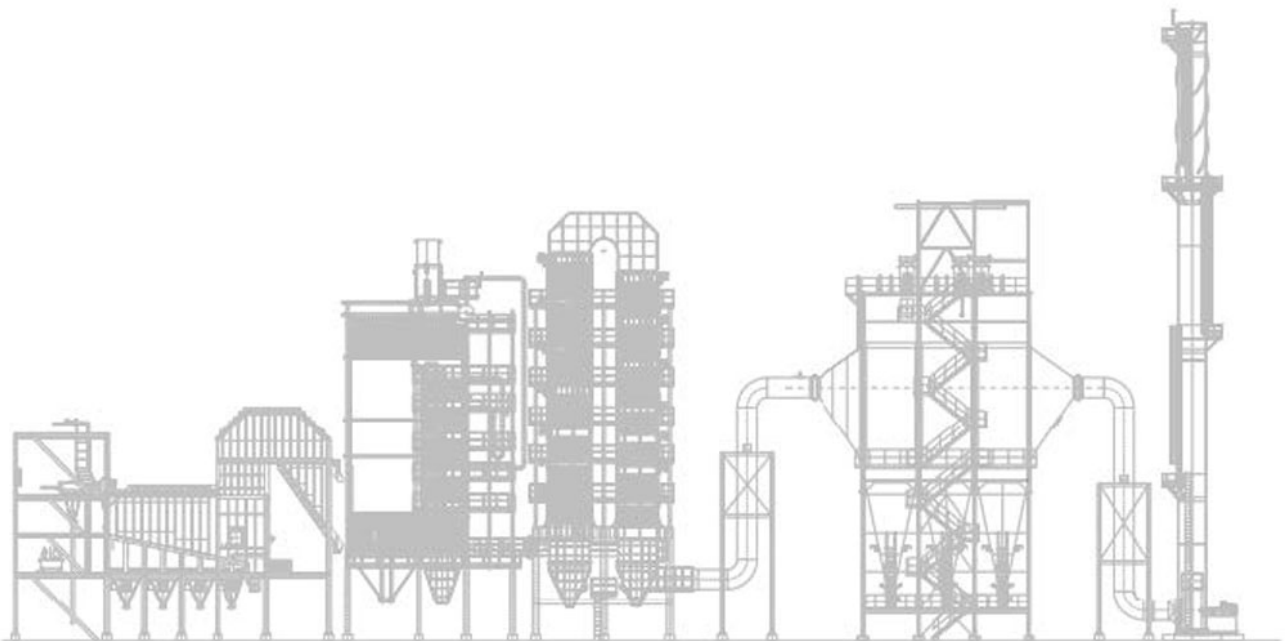


Feb 2025

List of References

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For any further information and support,
please feel welcome to contact us directly:
sales@de.lawipower.com

Renewable Power Plant Technology

27.5 MWth Industrial Waste Power Plant, Busan | South Korea - LAWI EtaComb® 300

Scheduled to be commissioned in: July 2025

Design Fuel: Industrial Waste, SRF

Location: Busan | South Korea

Technical Project Data:

Firing Capacity: 27.5 MWth

BMCR: 37.5 tph

Steam Parameter: 40 bar(a) | 300°C

Plant Type: Power Generation

LAWI Scope of Work:

- **Detail Design & Engineering:**
LAWI EtaPlant® WtE Boiler Island
- **EP Supply:**
 - *LAWI EtaComb® 300 WtE*
Combustion System Components
 - Water-Cooled Moving Grate
 - Fuel Dosing System

16.6 MWth SRF Power Plant, Yeoncheon | South Korea - LAWI EtaComb® 200

Commissioned since: June 2022

Design Fuel: Industrial Waste, SRF

Location: Yeoncheon | South Korea

Technical Project Data:

Firing Capacity: 16.6 MWth

BMCR: 20 tph

Steam Parameter: 19 bar(a) | 211°C

Plant Type: Heat Generation

Plant Capacity: 12.3 MWth

LAWI Scope of Work:

- **Detail Design & Engineering:**
LAWI EtaPlant® WtE Boiler Island
- **EP Supply:**
 - *LAWI EtaComb® 200 WtE* Combustion System
 - Water-Cooled Moving Grate
 - *LAWI EtaLogic®* Control & Optimization System (PLC)

9.9 MWe CHP Rice Husk Power Plant, Kamphaeng Phet | Thailand - LAWI EtaPlant®

Commissioned since: April 2022

Design Fuel: Rice Husk, Wood Chip

Location: Kamphaeng Phet | Thailand

Technical Project Data:

Firing Capacity: 75.5 MWth

BMCR: 85 tph

Steam Parameter: 66 bar(a) | 480°C

Plant Type: Heat & Power Generation

Plant Capacity: 9.9 MWe

LAWI Scope of Work:

- **EP Supply: LAWI EtaPlant® Boiler Island:**

- LAWI EtaComb® 800 Combustion System

- 4-Lane Fuel Dosing System

- Moving Grates

- Steam Boiler & Feed Water System

- Ash Handling & Ash Storage System

- LAWI EtaLogic® Control & Optimization System

9.9 MWe Wood Chip Power Plant, Yala II | Thailand - LAWI EtaComb® Combustion Equipment

Commissioned since: January 2021

Design Fuel: Wood Chip

Location: Yala | Thailand

Technical Project Data:

Firing Capacity: 40 MWth

BMCR: 45 tph

Steam Parameter: 90 bar(a) | 515°C

Plant Type: Power Generation

Plant Capacity: 9.9 MWe

LAWI Scope of Work:

- **EP Supply:**

- Moving Grate

- Fuel Dosing System

- Hydraulic System & Combustion Instruments

9.9 MWel Biomass Power Plant, Yala I | Thailand - LAWI EtaComb® Combustion Equipment

Commissioned since: December 2020

Design Fuel: Wood Chip

Location: Yala | Thailand

Technical Project Data:

Firing Capacity: 40 MWth

BMCR: 45 tph

Steam Parameter: 90 bar(a) | 515°C

Plant Type: Power Generation

Plant Capacity: 9.9 MWel

LAWI Scope of Work:

- **EP Supply:**
 - Moving Grate
 - Fuel Dosing System
 - Hydraulic System & Combustion Instruments

28 MWel Multi Fuel Biomass Power Plant, Suphan Buri | Thailand - LAWI EtaComb® 1000

Commissioned since: April 2020

Design Fuel: Rice Husk, Wood Chip, Bagasse, Wood Bark

Location: Suphan Buri | Thailand

Technical Project Data:

Firing Capacity: 93.7 MWth

BMCR: 115 tph

Steam Parameter: 68 bar(a) | 485°C

Plant Type: Power Generation

Plant Capacity: 28 MWel

LAWI Scope of Work:

- **Overall Power Plant Basic Engineering**
- **Owner's Consultant (Tech.)**
- **EP Supply: LAWI EtaComb® 1000 Combustion System**
 - Boxer Type 6 Lane adiabatic Multi-Fuel Combustion with Post-Combustion
 - 2x 3-Lane Fuel Dosing System
 - Moving Grate
 - Air System with Recirculation Gas
 - LAWI EtaLogic® Control & Optimization System

7 MWel RDF Power Plant, Ayutthaya | Thailand - LAWI EtaPlant®

Commissioned since: October 2019

Design Fuel: RDF from Industrial Waste

Location: Ayutthaya | Thailand

Technical Project Data:

Firing Capacity: 30 MWth

BMCR: 35 tph

Steam Parameter: 53 bar(a) | 450°C

Plant Type: Power Generation

Plant Capacity: 7 MWel

LAWI Scope of Work:

- Overall Power Plant Basic Engineering
- EPC Supply: *LAWI EtaPlant® WtE Boiler Island:*
 - *LAWI EtaComb®* 300 Combustion System
 - Water Cooled Moving Grate
 - Steam Boiler & Feed Water System
 - Ash Handling & Ash Storage System
 - *LAWI EtaLogic®* Control & Optimization System

9.9 MWel Multi Fuel Power Plant, Nakhon Ratchasima | Thailand - LAWI EtaComb® 400

Commissioned since: June 2019

Design Fuel: Eucalyptus Bark, Wood Chip (Supplemental: Bagasse, Cassava, EFB)

Location: Nakhon Ratchasima | Thailand

Technical Project Data:

Firing Capacity: 37 MWth

BMCR: 43 tph

Steam Parameter: 69 bar(a) | 485°C

Plant Type: Power Generation

Plant Capacity: 9.9 MWel

LAWI Scope of Work:

- Overall Power Plant Basic Engineering
- EPC Supply: *LAWI EtaComb® 400 Combustion System*
 - Adiabatic Multi-Fuel Combustion with Post-Combustion
 - 3-Lane Fuel Dosing System
 - Moving Grate
 - Air System with Recirculation Gas

8 MWel Biomass & Coal Co-Firing Power Plant, Trincomalee | Sri Lanka - LAWI EtaComb® 350

Commissioned since: October 2017

Design Fuel: Rice Husk, Gliricidia, Coal

Location: Trincomalee | Sri Lanka

Technical Project Data:

Firing Capacity: 32 MWth

BMCR: 36 tph

Steam Parameter: 65.7 bar(a) | 485°C

Plant Type: Power Generation

Plant Capacity: 8 MWel

LAWI Scope of Work:

- Overall Power Plant Basic Engineering
- Owner's Consultant (Tech.)
- EP Supply: *LAWI EtaComb® 350 Combustion System*
 - adiabatic Multi-Fuel Combustion with Post-Combustion
 - Air System with Recirculation Gas
 - Fuel Conveying System
 - Ash Handling System

9.5 MWel Multi-Fuel Biomass Power Plant, Songkhla | Thailand - LAWI EtaPlant®

Commissioned since: August 2017

Design Fuel: Para Wood, Para Root

Location: Songkhla | Thailand

Technical Project Data:

Firing Capacity: 40 MWth

BMCR: 45 tph

Steam Parameter: 68 bar(a) | 485°C

Plant Type: Power Generation

Plant Capacity: 9.5 MWel

LAWI Scope of Work:

- Overall Power Plant EPC - *LAWI EtaPlant® Turn-Key*
- EPC Supply of complete Power Plant:
 - Buildings & Civil Works
 - Fuel Handling System; Ash Handling & Storage System
 - *LAWI EtaComb® 400 Combustion System*
 - Flue Gas Treatment System (ESP)
 - Turbine and Generator System
 - DCS & *LAWI EtaLogic® Optimization System*

12 MWel Gliricidia Power Plant, Viti Levu | Fiji - LAWI EtaPlant®

Commissioned since: August 2017

Design Fuel: Gliricidia

Location: Nabou of Viti Levu | Fiji

Technical Project Data:

Firing Capacity: 51.2 MWth

BMCR: 57 tph

Steam Parameter: 36.3 bar(a) | 440 °C

Plant Type: Power Generation

Plant Capacity: 12 MWel

LAWI Scope of Work:

- **EP Supply: LAWI EtaPlant® Boiler Island:**
 - LAWI EtaComb® 500 Combustion System
 - Steam Boiler & Feed Water System
 - Flue Gas Treatment System
 - Fuel Handling System
 - Ash Handling System
 - DCS & LAWI EtaLogic® Optimization System

9.4 MWel RDF Power Plant, Saraburi | Thailand - LAWI EtaPlant® WtE Boiler Island

Commissioned since: June 2017

Design Fuel: RDF from MSW, Industrial Waste and Landfill Waste

Location: Saraburi | Thailand

Technical Project Data:

Firing Capacity: 43 MWth

BMCR: 50 tph

Steam Parameter: 53 bar(a) | 450°C

Plant Type: Power Generation

Plant Capacity: 9.4 MWel

LAWI Scope of Work:

- **EPC Supply: LAWI EtaPlant® WtE Boiler Island:**
 - LAWI EtaComb® 450 Combustion System incl. Water Cooled Moving Grates
 - Steam Boiler & Feed Water System
 - Air System & Stack
 - Ash Handling & Ash Storage System

11 MWel Multi-Fuel Biomass Power Plant, Kamphaeng Phet | Thailand - LAWI EtaComb® 400

Commissioned since: May 2017

Design Fuel: Rice Husk, Eucalyptus Bark, Wood Chip

Location: Kamphaeng Phet | Thailand

Technical Project Data:

Firing Capacity: 40.5 MWth

BMCR: 45 tph

Steam Parameter: 68 bar(a) | 490°C

Plant Type: Power Generation

Plant Capacity: 11 MWel

LAWI Scope of Work:

- **EPC Supply: LAWI EtaComb® 400 Combustion System**
 - Adiabatic Multi-Fuel Combustion with Post-Combustion
 - 3-Lane Fuel Dosing System
 - Moving Grate
 - Air System with Recirculation Gas

9.9 MWel EFB Power Plant, Nakhon Si Thammarat | Thailand - LAWI EtaComb® 400

Commissioned since: October 2016

Design Fuel: Para Wood, EFB, Palm Frond

Location: Nakhon Si Thammarat | Thailand

Technical Project Data:

Firing Capacity: 41 MWth

BMCR: 45 tph

Steam Parameter: 67 bar(a) | 485°C

Plant Type: Power Generation

Plant Capacity: 9.9 MWel

LAWI Scope of Work:

- **EP Supply: LAWI EtaComb® 400 Combustion System**
 - Multi-Fuel 3-Lane adiabatic Combustion Chamber
 - Fuel Dosing System
 - Moving Grate
 - Air System with Recirculation Gas
 - Combustion Instruments

WINNER OF THAILAND ENERGY AWARD 2019

WINNER OF ASEAN ENERGY AWARD 2019

9.9 MWel Biomass Power Plant, Nakhon Sawan | Thailand - LAWI EtaComb® 600 - WINNER OF THAILAND ENERGY AWARD 2018

Commissionend since: September 2015

Design Fuel: Rice Husk, Wood Chip

Location: Nakhon Sawan | Thailand

Technical Project Data:

Firing Capacity: 60 MWth

BMCR: 65 tph

Steam Parameter: 68 bar(a) | 485°C

Plant Type: Power Generation

Plant Capacity: 9.9 MWel

LAWI Scope of Work:

- Overall Power Plant Basic Engineering
- EP Supply: *LAWI EtaComb® 600 Combustion System*
 - Multi-Fuel 3-Lane adiabatic Combustion Chamber
 - Fuel Dosing System
 - Moving Grate
 - Air System with Recirculation Gas

WINNER OF THAILAND ENERGY AWARD 2018

9.9 MWel Biomass Power Plant, Buriram | Thailand - LAWI EtaComb® 450

Commissionend since: June 2015

Design Fuel: Eucalyptus Bark, Wood Chip

Location: Buriram | Thailand

Technical Project Data:

Firing Capacity: 41 MWth

BMCR: 45 tph

Steam Parameter: 67 bar(a) | 485°C

Plant Type: Power Generation

Plant Capacity: 9.9 MWel

LAWI Scope of Work:

- Overall Power Plant Basic Engineering
- Owner's Consultant (Tech.)
- EPC Supply: *LAWI EtaComb® 450 Combustion System*
 - Adiabatic Combustion with Post-Combustion Chamber
 - Moving Grate
 - Fuel Dosing System
 - Air System with Recirculation Gas
 - DCS Control System (Programming)
 - Steam Boiler & Feed Water System (Installation & Commissioning)

9.9 MWel High Moisture Biomass Power Plant, Sirindhorn | Thailand - LAWI EtaComb® 400

Commissioned since: May 2015

Design Fuel: Eucalyptus Bark, Wood Chip

Location: Sirindhorn, Ubon Ratchathani | Thailand

Technical Project Data:

Firing Capacity: 39.5 MWth

BMCR: 45 tph

Steam Parameter: 68 bar(a) | 485°C

Plant Type: Power Generation

Plant Capacity: 9.9 MWel

LAWI Scope of Work:

- Overall Power Plant Basic Engineering
- EPC Supply: *LAWI EtaComb® 400 Combustion System*
 - Multi-Fuel 3-Lane adiabatic Combustion Chamber
 - Fuel Dosing System
 - Moving Grate
 - Air System with Recirculation Gas

9.9 MWel Multi-Fuel Power Plant, Phichit | Thailand - LAWI EtaComb® 400 - WINNER OF THAILAND ENERGY AWARD 2018

Commissioned since: April 2015

Design Fuel: Rice Husk, Eucalyptus Bark

Location: Phichit | Thailand

Technical Project Data:

Firing Capacity: 40.5 MWth

BMCR: 45 tph

Steam Parameter: 68 bar(a) | 485°C

Plant Type: Power Generation

Plant Capacity: 9.9 MWel

LAWI Scope of Work:

- Overall Power Plant Basic Engineering
- EPC Supply: *LAWI EtaComb® 400 Combustion System*
 - Multi-Fuel 3-Lane adiabatic Combustion Chamber
 - Fuel Dosing System
 - Moving Grate
 - Air System with Recirculation Gas
 - Fuel Conveying System

WINNER OF THAILAND ENERGY AWARD 2018

9.9 MWe Eucalyptus Bark Power Plant, Thoen | Thailand - LAWI EtaComb® 400

Commissioned since: July 2014

Design Fuel: Eucalyptus Bark, Wood Chip

Location: Thoen, Lampang | Thailand

Technical Project Data:

Firing Capacity: 39.5 MWth

BMCR: 45 tph

Steam Parameter: 68 bar(a) | 485°C

Plant Type: Power Generation

Plant Capacity: 9.9 MWe

LAWI Scope of Work:

- Overall Power Plant Basic Engineering
- EPC Supply: *LAWI EtaComb® 400 Combustion System*
 - Multi-Fuel 3-Lane adiabatic Combustion Chamber
 - Fuel Dosing System
 - Moving Grate
 - Air System with Recirculation Gas

6 MWe Gliricidia Power Plant, Mahiyangana | Sri Lanka - LAWI EtaComb® 300

Commissioned since: June 2014

Design Fuel: Gliricidia

Location: Mahiyangana | Sri Lanka

Technical Project Data:

Firing Capacity: 27.5 MWth

BMCR: 31.5 tph

Steam Parameter: 68 bar(a) | 485°C

Plant Type: Power Generation

Plant Capacity: 6 MWe

LAWI Scope of Work:

- Overall Power Plant Basic Engineering
- Owner's Consultant (Tech.)
- EP Supply: *LAWI EtaComb® 300 Combustion System*
 - adiabatic Multi-Fuel Combustion with Post-Combustion
 - Air System with Recirculation Gas
 - Fuel Conveying System
 - Ash Handling System

9.9 MWel Multi Fuel Power Plant, Si Chiang Mai | Thailand - LAWI EtaComb® 400

Commissioned since: December 2013

Design Fuel: Eucalyptus Bark, Wood Chip

Location: Si Chiang Mai, Nong Khai | Thailand

Technical Project Data:

Firing Capacity: 39.5 MWth

BMCR: 45 tph

Steam Parameter: 68 bar(a) | 485°C

Plant Type: Power Generation

Plant Capacity: 9.9 MWel

LAWI Scope of Work:

- **Overall Power Plant Basic Engineering**
- **EPC Supply: LAWI EtaComb® 400 Combustion System:**
 - Multi-Fuel High Moisture 3-Lane adiabatic Combustion Chamber with two-stage Air-Preheating
 - Fuel Dosing System
 - Moving Grate
 - Air System with Recirculation Gas

9.9 MWel Eucalyptus Bark Power Plant, Buriram | Thailand - LAWI EtaComb® 450

Commissioned since: November 2013

Design Fuel: Eucalyptus Bark, Wood Chip

Location: Buriram | Thailand

Technical Project Data:

Firing Capacity: 41 MWth

BMCR: 45 tph

Steam Parameter: 68 bar(a) | 485°C

Plant Type: Power Generation

Plant Capacity: 9.9 MWel

LAWI Scope of Work:

- **EPC Supply: LAWI EtaComb® 400 Combustion System**
 - Adiabatic Combustion with Post-Combustion Chamber
 - Moving Grate
 - Fuel Dosing System
 - Air System with Recirculation Gas

9.9 MWel Wood Chip Power Plant, Kalasin | Thailand - LAWI EtaComb® 400

Commissioned since: November 2013

Design Fuel: Wood Chip, Rice Husk

Location: Kalasin | Thailand

Technical Project Data:

Firing Capacity: 40.5 MWth

BMCR: 45 tph

Steam Parameter: 67 bar(a) | 485°C

Plant Type: Power Generation

Plant Capacity: 9.9 MWel

LAWI Scope of Work:

- **Combustion System Revamping of existing Power Plant for Efficiency Increase**
- **EPC Supply: LAWI EtaComb® 400 Combustion System:**
 - Multi-Fuel 3-Lane adiabatic Combustion Chamber
 - Fuel Dosing System
 - Moving Grate
 - Air System with Recirculation Gas
 - Integration of LAWI EtaComb® in existing Waste Heat Boiler

9.9 MWel Biomass Power Plant, Phon Thong | Thailand - LAWI EtaComb® 400

Commissioned since: June 2013

Design Fuel: Eucalyptus Bark, Wood Chip

Location: Phon Thong, Roi Et | Thailand

Technical Project Data:

Firing Capacity: 39.5 MWth

BMCR: 45 tph

Steam Parameter: 68 bar(a) | 485°C

Plant Type: Power Generation

Plant Capacity: 9.9 MWel

LAWI Scope of Work:

- **Overall Power Plant Basic Engineering**
- **EPC Supply: LAWI EtaComb® 400 Combustion System**
 - Multi-Fuel High Moisture 3-Lane adiabatic Combustion Chamber with two-stage Air-Preheating
 - Fuel Dosing System
 - Moving Grate
 - Air System with Recirculation Gas

20 MWel Multi Fuel Power Plant, Khon Kaen | Thailand - LAWI EtaComb® 400

Commissioned since: April 2013

Design Fuel: Wood Chip, Rice Husk

Location: Khon Kaen | Thailand

Technical Project Data:

Firing Capacity: 2x 40 MWth

BMCR: 88 tph

Steam Parameter: 67 bar(a) | 485°C

Plant Type: Power Generation

Plant Capacity: 2x 9.9 MWel

LAWI Scope of Work:

- **Overall Power Plant Basic Engineering and Consultancy**
- **EP Supply: LAWI EtaComb® 400 Combustion System**
 - Twin Type 2x 3-Lane adiabatic Multi-Fuel Combustion with Post-Combustion
 - 2x 3-Lane Fuel Dosing System
 - Air System with Recirculation Gas
 - LAWI EtaLogic® Control & Optimization System

9.9 MWel Para Wood Power Plant, Thung Song | Thailand - LAWI EtaComb® 400 - WINNER OF THAILAND ENERGY AWARD 2018

Commissioned since: March 2013

Design Fuel: Para Wood

Location: Thung Song, Nakhon Si Thammarat | Thailand

Technical Project Data:

Firing Capacity: 40 MWth

BMCR: 45 tph

Steam Parameter: 67 bar(a) | 485°C

Plant Type: Power Generation

Plant Capacity: 9.9 MWel

LAWI Scope of Work:

- **EP Supply: LAWI EtaComb® 400 Combustion System**
 - Adiabatic Combustion with Post-Combustion
 - Fuel Dosing System
 - Moving Grate
 - Air System with Recirculation Gas
 - DCS Control System (Programming)

WINNER OF THAILAND ENERGY AWARD 2018

9.9 MWe Eucalyptus Bark Power Plant, Chok Chai | Thailand - LAWI EtaComb® 400

Commissioned since: January 2013

Design Fuel: Eucalyptus Bark, Wood Chip

Location: Chok Chai | Thailand

Technical Project Data:

Firing Capacity: 39.5 MWth

BMCR: 45 tph

Steam Parameter: 68 bar(a) | 485°C

Plant Type: Power Generation

Plant Capacity: 9.9 MWe

LAWI Scope of Work:

- Overall Power Plant Basic Engineering
- EPC Supply: *LAWI EtaComb® 400 Combustion System*
 - Multi-Fuel High Moisture 3-Lane adiabatic Combustion Chamber with two-stage Air-Preheating
 - Fuel Dosing System
 - Moving Grate
 - Air System with Recirculation Gas

7.5 MWe Eucalyptus Bark Power Plant, Kamphaeng Phet | Thailand - LAWI EtaComb® 300

Commissioned since: December 2012

Design Fuel: Wood Chip, Eucalyptus Bark

Location: Kamphaeng Phet | Thailand

Technical Project Data:

Firing Capacity: 30 MWth

BMCR: 33 tph

Steam Parameter: 66 bar(a) | 485°C

Plant Type: Power Generation

Plant Capacity: 7.5 MWe

LAWI Scope of Work:

- Overall Power Plant Detail Engineering
- EPC Supply (Consortium partner): Complete Power Plant
 - Buildings & Civil Works
 - Fuel Handling System; Ash Handling & Storage System
 - *LAWI EtaComb® 400 Combustion System*
 - Flue Gas Treatment System (ESP)
 - Turbine and Generator System
 - DCS & *LAWI EtaLogic® Optimization System*

WINNER OF THAILAND ENERGY AWARD 2015

9.9 MWe Biomass Power Plant, Prasat | Thailand - LAWI EtaComb® 400

Commissioned since: October 2012

Design Fuel: Eucalyptus Bark, Wood Chip

Location: Prasat, Surin | Thailand

Technical Project Data:

Firing Capacity: 39.5 MWth

BMCR: 45 tph

Steam Parameter: 68 bar(a) | 485°C

Plant Type: Power Generation

Plant Capacity: 9.9 MWe

LAWI Scope of Work:

- Overall Power Plant Basic Engineering
- EPC Supply: *LAWI EtaComb® 400 Combustion System*
 - Multi-Fuel High Moisture 3-Lane adiabatic Combustion Chamber with two-stage Air-Preheating
 - Fuel Dosing System
 - Moving Grate
 - Air System with Recirculation Gas

17 MWe Multi Fuel Power Plant, Surin | Thailand - LAWI EtaComb® 600

Commissioned since: September 2012

Design Fuel: Eucalyptus Bark, Wood Chip, Rice Husk

Location: Surin | Thailand

Technical Project Data:

Firing Capacity: 60 MWth

BMCR: 67 tph

Steam Parameter: 66 bar(a) | 485°C

Plant Type: Power Generation

Plant Capacity: 17 MWe

LAWI Scope of Work:

- Overall Power Plant Basic Engineering
- Overall Power Plant Project Management
- EPC Supply: *LAWI EtaComb® 600 Combustion System*
 - Multi fuel adiabatic Combustion Chamber with Post-Combustion
 - Fuel Dosing System
 - Moving Grate
 - Air System with Recirculation Gas
 - Combustion & Boiler Instruments

9.9 MWel Biomass Power Plant, Roi Et | Thailand - LAWI EtaComb® 400 - WINNER OF THAILAND ENERGY AWARD 2014

Commissioned since: June 2012

Design Fuel: Eucalyptus Bark, Rice Husk

Location: Roi Et | Thailand

Technical Project Data:

Firing Capacity: 40 MWth

BMCR: 45 tph

Steam Parameter: 66 bar(a) | 485°C

Plant Type: Power Generation

Plant Capacity: 9.9 MWel

LAWI Scope of Work:

- Overall Power Plant Basic Engineering
- EPC Supply: *LAWI EtaComb® 400 Combustion System*
 - Multi-fuel 3-lane adiabatic Combustion Chamber
 - Fuel Dosing System
 - Moving Grate
 - Air System with Recirculation Gas

WINNER OF THAILAND ENERGY AWARD 2014

9.9 MWel Biomass Power Plant, Nam Phong | Thailand - LAWI EtaComb® 400

Commissioned since: May 2012

Design Fuel: Eucalyptus Bark, Wood Chip

Location: Nam Phong, Khon Kaen | Thailand

Technical Project Data:

Firing Capacity: 39.5 MWth

BMCR: 45 tph

Steam Parameter: 68 bar(a) | 485°C

Plant Type: Power Generation

Plant Capacity: 9.9 MWel

LAWI Scope of Work:

- Overall Power Plant Basic Engineering
- EPC Supply: *LAWI EtaComb® 400 Combustion System*
 - Multi-Fuel High Moisture 3-Lane adiabatic Combustion Chamber with two-stage Air-Preheating
 - Fuel Dosing System
 - Moving Grate
 - Air System with Recirculation Gas

9.9 MWe Eucalyptus Bark Power Plant, Ban Bueng | Thailand - LAWI EtaComb® 400

Commissioned since: April 2012

Design Fuel: Eucalyptus Bark, Wood Chip

Location: Ban Bueng, Chonburi | Thailand

Technical Project Data:

Firing Capacity: 39.5 MWth

BMCR: 45 tph

Steam Parameter: 68 bar(a) | 485°C

Plant Type: Power Generation

Plant Capacity: 9.9 MWe

LAWI Scope of Work:

- **Overall Power Plant Basic Engineering**
- **EPC Supply: LAWI EtaComb® 400 Combustion System**
 - Multi-Fuel High Moisture 3-Lane adiabatic Combustion Chamber with two-stage Air-Preheating
 - Fuel Dosing System
 - Moving Grate
 - Air System with Recirculation Gas

9.9 MWe Multi Fuel Power Plant, Thap Sakae | Thailand - LAWI EtaComb® 400

Commissioned since: October 2011

Design Fuel: Wood Chip, Coconut fiber, Palm Stalk

Location: Thap Sakae, Prachuap Khiri Khan | Thailand

Technical Project Data:

Firing Capacity: 40 MWth

BMCR: 45 tph

Steam Parameter: 42 bar(a) | 450°C

Plant Type: Power Generation

Plant Capacity: 9.9 MWe

LAWI Scope of Work:

- **EPC Supply: LAWI EtaComb® 400 Combustion System**
 - Multi-Fuel 3-Lane adiabatic Combustion Chamber
 - Fuel Dosing System
 - Moving Grate
 - Air System with Recirculation Gas
 - Fuel Conveying + Deashing System

9.9 MW Rice Husk Power Plant, Nakhon Ratchasima | Thailand - LAWI EtaComb® 400

Commissioned since: May 2011

Design Fuel: Rice Husk

Location: Nakhon Ratchasima | Thailand

Technical Project Data:

Firing Capacity: 40 MWth

BMCR: 45 tph

Steam Parameter: 67 bar(a) | 485°C

Plant Type: Power Generation

Plant Capacity: 9.9 MWe

LAWI Scope of Work:

- Overall Power Plant Basic Engineering
- EPC Supply: *LAWI EtaComb® 400 Combustion System*
 - Multi-Fuel 3-Lane adiabatic Combustion Chamber
 - Fuel Dosing System
 - Moving Grate
 - Air System with Recirculation Gas

9.9 MWe Bagasse CHP Power Plant, Utai Thani | Thailand - LAWI EtaComb® 600

Commissioned since: February 2011

Design Fuel: Bagasse

Location: Utai Thani | Thailand

Technical Project Data:

Firing Capacity: 55 MWth

BMCR: 60 tph

Steam Parameter: 68 bar(a) | 485°C

Plant Type: Heat & Power Generation

Plant Capacity: 9.9 MWe

LAWI Scope of Work:

- Overall Power Plant Basic Engineering
- EPC Supply: *LAWI EtaComb® 600 Combustion System*
 - Multi-Fuel 3-Lane adiabatic Combustion Chamber
 - Fuel Dosing System
 - Moving Grate
 - Air System with Recirculation Gas
 - Boiler & Combustion Control Programming

9.5 MWe Biomass Power Plant, Chumporn | Thailand - LAWI EtaComb® 500

Commissioned since: April 2009

Design Fuel: Palm Leaves, EFB

Location: Chumporn | Thailand

Technical Project Data:

Firing Capacity: 48.4 MWth

BMCR: 50 tph

Steam Parameter: 42 bar(a) | 410°C

Plant Type: Power Generation

Plant Capacity: 9.5 MWe

LAWI Scope of Work:

- Overall Power Plant Basic Engineering
- EPC Supply: *LAWI EtaComb® 500 Combustion System*
 - Multi-Fuel 3-Lane adiabatic Combustion Chamber
 - Fuel Dosing System
 - Moving Grate
 - Air System with Recirculation Gas
 - Control System

7.5 MWe Rice Husk Power Plant, Chon Buri | Thailand - LAWI EtaComb® 300

Commissioned since: March 2009

Design Fuel: Rice Husk

Location: Chon Buri, Thailand

Technical Project Data:

Firing Capacity: 32.5 MWth

BMCR: 35 tph

Steam Parameter: 69 bar(a) | 490°C

Plant Type: Power Generation

Plant Capacity: 7.5 MWe

LAWI Scope of Work:

- Overall Power Plant Basic Engineering
- EPC Supply: *LAWI EtaComb® 300 Combustion System*
 - adiabatic Combustion Chamber
 - Fuel Dosing System
 - Moving Grate
 - Air System with Recirculation Gas
 - Combustion Instruments
 - Bottom Ash Handling System
 - PLC Control System for Steam Boiler

9.5 MWel Biomass Power Plant, Buriram | Thailand - LAWI EtaComb® 500

Commissioned since: October 2008

Design Fuel: Rice Husk, Woodchip

Location: Buriram | Thailand

Technical Project Data:

Firing Capacity: 50 MWth

BMCR: 55 tph

Steam Parameter: 66 bar(a) | 485°C

Plant Type: Power Generation

Plant Capacity: 9.5 MWel

LAWI Scope of Work:

- Overall Power Plant Basic Engineering
- EPC Supply: *LAWI EtaComb® 500* Combustion System
 - Moving Grate
 - Fuel Dosing System
 - Fuel & Ash Handling System
 - DCS Control System

10 MWel Multi Fuel Biomass Power Plant, Trincomalee | Sri Lanka - LAWI EtaComb® 500

Commissioned since: August 2008

Design Fuel: Rice Husk, Wood Chip, Coconut Shell,
Municipal Green Waste

Location: Trincomalee | Sri Lanka

Technical Project Data:

Firing Capacity: 47 MWth

BMCR: 50 tph

Steam Parameter: 55 bar(a) | 455°C

Plant Type: Power Generation

Plant Capacity: 10 MWel

LAWI Scope of Work:

- Overall Power Plant Basic Engineering
- EP Supply: *LAWI EtaComb® 500* Combustion System
 - adiabatic Multi-Fuel Combustion with Post-Combustion
 - Air System with Recirculation Gas
 - Fuel Conveying System
 - Ash Handling System

9.9 MWe Biomass Power Plant, Ubon Ratchathani | Thailand - LAWI EtaComb® 500

Commissioned since: June 2008

Design Fuel: Rice Husk, Corn Cob

Location: Ubon Ratchathani | Thailand

Technical Project Data:

Firing Capacity: 50 MWth

BMCR: 55 tph

Steam Parameter: 66 bar(a) | 485°C

Plant Type: Power Generation

Plant Capacity: 9.9 MWe

LAWI Scope of Work:

- Overall Power Plant Basic Engineering
- EPC Supply: *LAWI EtaComb® 500 Combustion System*
 - Moving Grate
 - Fuel Dosing System
 - PLC Control System for Steam Boiler

7.3 MWe Rice Husk Power Plant, Nakhon Ratchasima | Thailand - LAWI EtaComb® 300

Commissioned since: October 2007

Design Fuel: Rice Husk

Location: Nakhon Ratchasima | Thailand

Technical Project Data:

Firing Capacity: 30 MWth

BMCR: 35 tph

Steam Parameter: 40 bar(a) | 450°C

Plant Type: Power Generation

Plant Capacity: 7.3 MWe

LAWI Scope of Work:

- Overall Power Plant Basic Engineering
- EPC Supply: *LAWI EtaComb® 300 Combustion System*

22 MW Biomass Power Plant, Midland | USA

Commissioned since: January 2004

Design Fuel: Waste Wood Chip, Wood Dust

Location: Midland | USA

LAWI Scope of Work:

Overall Power Plant Basic Engineering

Engineering of Moving Grate Furnace 27m² with Thermal Oil Heater

12 MW Biomass Power Plant, Samut Sakhon | Thailand

Commissioned since: December 2003

Design Fuel: Waste Wood Chip, Wood Dust

Location: Samut Sakhon | Thailand

LAWI Scope of Work:

Engineering of Moving Grate Furnace 16m² with Thermal Oil Heater

11 MWth Waste Wood Chip Power Plant, Phang Nga | Thailand

Commissioned since: April 2003

Design Fuel: Waste Wood Chip

Location: Phang Nga | Thailand

LAWI Scope of Work:

Engineering of Moving Grate Furnace 27m² with Thermal Oil Heater 280°C

6.4 MW Biomass CHP Power Plant, Pavia | Italy - LAWI EtaComb® 400

Commissioned since: June 2002

Design Fuel: Rice Husk, Waste Wood Chip, Wood Dust, Agriculture Waste

Location: Pavia | Italy

LAWI Scope of Work:

- EP Supply of *LAWI EtaComb®* Moving Grate Furnace for 40 tph Steam Boiler Cogeneration Plant

Technical Project Data:

Firing Capacity: 37 MWth

BMCR: 40.5 tph

Steam Parameter: 62 bar(a) | 450°C

Plant Type: Heat & Power Generation

Plant Capacity: 6.4 MWeI

6 MW Biomass Power Plant, Beyoglu | Turkey

Commissioned since: September 2001

Design Fuel: Naphta Exhaust Gas from Gas Turbine

Location: Beyoglu | Turkey

LAWI Scope of Work:

- Heat Recovery System with Thermal Oil Heater

4.2 MW Biomass Power Plant, Eldoret | Kenia

Commissioned since: March 1999

Design Fuel: Waste Wood Chip, Wood Dust

Location: Eldoret | Kenia

LAWI Scope of Work:

- EPC Supply of Moving Grate Furnace 34m² for Steam Power Plant

4.5 MW Biomass Power Plant, Valle Lomellina | Italy

Commissioned since: March 1999

Design Fuel: Rice Husk

Location: Valle Lomellina | Italy

LAWI Scope of Work:

- EPC Supply of Moving Grate Furnace 29.5 m² for 32 tph Steam Boiler

Technical Project Data:

Firing Capacity: 20.8 MWth

BMCR: 21 tph

Steam Parameter: 54 bar(a) | 450°C

Plant Type: Power Generation

Plant Capacity: 4.5 MWeI

8 MW Waste Wood Chip Power Plant, Preding | Austria

Commissioned since: February 1999

Design Fuel: Waste Wood Chip

Location: Preding | Austria

LAWI Scope of Work:

- EPC Supply of Thermal Oil Boiler for Wood Panel Industry

3500 + 250 KW Gas Power Plant, Ravensburg | Germany

Commissioned since: December 1998

Design Fuel: Natural Gas, Digester Gas

Location: Ravensburg | Germany

LAWI Scope of Work:

- EPC Supply of Thermal Oil Boiler for Sewage Treatment Plant

2x2 MW Natural Gas Power Plant, Villach | Austria

Commissioned since: April 1998

Design Fuel: Natural Gas

Location: Villach | Austria

LAWI Scope of Work:

- EPC Supply of Thermal Oil Heating Station

2.5 MW Rice Husk Power Plant, Nakhon Ratchasima | Thailand

Commissioned since: June 1996

Design Fuel: Rice Husk

Location: Nakhon Ratchasima | Thailand

Technical Project Data:

Firing Capacity: 17 MWth

BMCR: 18 tph

Steam Parameter: 33 bar(a) | 420°C

Plant Type: Power Plant Co-Generation

LAWI Scope of Work:

- EPC Supply of Moving Grate Furnace with 18 tph Steam Boiler